

B1

11. The aluminum alloy of claim 8 further comprising a maximum of 0.2% by weight copper.

B2

21. A die-castable aluminum alloy comprising:  
0.25-0.70% by weight magnesium  
1.0 - 2.0% by weight manganese;  
a maximum of 0.2% by weight iron;  
6.5-7.5% by weight silicon;  
a maximum of 0.2% by weight each of additional elements selected from the group consisting of zinc, copper and titanium;  
the remainder being aluminum; and  
said alloy characterized by reduced die soldering when used in die casting operations.

B3

B3

28. A die-castable aluminum alloy comprising:  
0.15-0.35% by weight magnesium  
1.0 - 2.0% by weight manganese;  
a maximum of 0.1% by weight iron;  
4.2-5.0% by weight copper;  
a maximum of 0.2% by weight each of additional elements selected from the group consisting of zinc, silicon, nickel, tin, and titanium;  
the remainder being aluminum; and  
said alloy characterized by reduced die soldering when used in die casting operations.